

HELICOPTER BLADE ASSEMBLY ADAPTED  
TO PERMIT RAPID FORWARD FLIGHT

ABSTRACT OF THE DISCLOSURE

5           A helicopter blade assembly for permitting  
rapid forward flight in a helicopter having separate  
means for providing a forward impetus is disclosed. The  
assembly has a set of rotatable blades attached to a  
substantially vertical mast. These blades slope downward  
10 near to their distal ends, thereby creating an inverted  
disk virtual air foil when the blades are rapidly rotated  
by the mast. In a preferred embodiment the camber of the  
blades and, therefore, the shape of the virtual air foil  
is controllable.

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